

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-8. (Canceled)

9. (New) A conditioning method comprising applying a conditioning composition comprising at least one polymer obtained by inverse suspension polymerization based on:

- 10 – 40 mole % diallyl dimethyl ammonium chloride (DADMAC); and
- 60 – 90 mole % acrylamide.

10. (New) The method of claim 9, wherein the conditioning composition comprises at least one of a cosmetic, dermatological, pharmaceutical, veterinary, or detergent composition.

11. (New) The method of claim 9, wherein the at least one polymer is obtained by inverse suspension polymerization based on:

- 10 – 40 mole % diallyl dimethyl ammonium chloride (DADMAC); and
- 60 – 90 mole % acrylamide.

12. (New) The method of claim 9, wherein the at least one polymer is in bead form.

13. (New) The method of claim 9, wherein the at least one polymer has a ratio (effective ionic character/theoretical ionic character) greater than 50%.

14. (New) The method of claim 13, wherein the at least one polymer has a ratio (effective ionic character/theoretical ionic character) greater than 65%.

15. (New) The method of claim 9, wherein the at least one polymer has a Brookfield viscosity, measured on an LVT module on a polymer solution at a concentration of 8% by weight, greater than 1000 cP (mPa.s) at 25° Celsius.

16. (New) The method of claim 9, wherein the polymerization is carried out in the presence of a transfer agent.

17. (New) The method of claim 9, wherein the at least one polymer has a detangling effect greater than 85%.

18. (New) The method of claim 17, wherein the at least one polymer has a detangling effect greater than 90%.

19. (New) A conditioning composition comprising at least one polymer obtained by inverse suspension polymerization of:

- 5 – 95 mole % diallyl dimethyl ammonium chloride (DADMAC); and
- 5 – 95 mole % acrylamide.

20. (New) The conditioning composition of claim 19, wherein the composition comprises at least one of a cosmetic, dermatological, pharmaceutical, veterinary, or detergent composition.

21. (New) The conditioning composition of claim 19, wherein the at least one polymer is obtained by inverse suspension polymerization based on:

- 10 – 40 mole % diallyl dimethyl ammonium chloride (DADMAC); and
- 60 – 90 mole % acrylamide.

22. (New) The conditioning composition of claim 19, wherein the at least one polymer is in bead form.

23. (New) The conditioning composition of claim 19, wherein the at least one polymer has a ratio (effective ionic character/theoretical ionic character) greater than 50%.

24. (New) The conditioning composition of claim 23, wherein the at least one polymer has a ratio (effective ionic character/theoretical ionic character) greater than 65%.

25. (New) The conditioning composition of claim 19, wherein the at least one polymer has a Brookfield viscosity, measured on an LVT module on a polymer solution at a concentration of 8% by weight, greater than 1000 cP (mPa.s) at 25° Celsius.

26. (New) The conditioning composition of claim 19, wherein the polymerization is carried out in the presence of a transfer agent.

27. (New) The conditioning composition of claim 19, wherein the at least one polymer has a detangling effect greater than 85%.

28. (New) The conditioning composition of claim 27, wherein the at least one polymer has a detangling effect greater than 90%.